

AMENDMENTS TO THE CLAIMS

A detailed listing of all claims that are, or were, in the present application, irrespective of whether the claim(s) remains under examination in the application are presented below. The claims are presented in ascending order and each includes one status identifier. Those claims not cancelled or withdrawn but amended by the current amendment utilize the following notations for amendment: 1. deleted matter is shown by strikethrough for six or more characters and double brackets for five or less characters; and 2. added matter is shown by underlining.

1. (Currently Amended) A method for independently updating individual display elements of a Web page on a client device, the method comprising:

displaying in a browser window of a client device, a displayable Web page ~~containing assembled from~~ at least one first Web page element downloaded from a Web server;

transmitting, to the Web ~~[[a]]~~ server, a request for a ~~second element of the Web page that is related to the first element~~ non-displayable phantom Web page;

responsive to the request for said non-displayable phantom Web page, receiving at the client device, from the Web server, at least one ~~[[the]]~~ second Web page element that is related to the first Web page element and associated with said non-displayable phantom Web page; and

displaying the second element with the Web page, updating said at least one first Web page element in the first displayable Web page with said second Web page element associated with said non-displayable phantom Web page without reassembling the displayable Web page.

2. (Currently Amended) A method as defined in claim 1, wherein the steps of transmitting, receiving, and displaying ~~updating the second element~~ are accomplished without a client device agent other than a Web browser.

3. (Currently Amended) A method as defined in claim 1, wherein the second Web page element replaces the first Web page element on the ~~displayed~~ displayable Web page.
4. (Currently Amended) A method as defined in claim 3, wherein transmitting the request for the second Web page element is responsive to a timer event.
5. (Currently Amended) A method as defined in claim 3, wherein transmitting the request for the second Web page element is responsive to a mouse-over event.
6. (Currently Amended) A method as defined in claim 3, wherein transmitting the request for the second Web page element is responsive to a mouse click event.
7. (Currently Amended) A method as defined in claim 1, wherein the second Web page element augments the first Web page element on the ~~displayed~~ displayable Web page.
8. (Currently Amended) A method as defined in claim 7, wherein transmitting the request for the second Web page element is responsive to a timer event.
9. (Currently Amended) A method as defined in claim 7, wherein transmitting the request for the second Web page element is responsive to a mouse over event.

10. (Currently Amended) A method as defined in claim 7, wherein transmitting the request for the second Web page element is responsive to a mouse click event.
11. (Currently Amended) A method as defined in claim 7, wherein the second Web page element is displayed in a pop-up window in the browser window.
12. (Currently Amended) A method as defined in claim 7, wherein the second Web page element is produced by a browser window action.
13. (Currently Amended) A method as defined in claim 7, wherein the second Web page element provides a responsive hyperlink of the browser window.
14. (Currently Amended) A method as defined in claim 1, wherein the second Web page element is received by the client device from the Web server.
15. (Currently Amended) A method as defined in claim 1, wherein the second Web page element is received by the client device from a computer other than the Web server.
16. (Cancelled)
17. (Renumbered from 21) (Cancelled)

[[22]] 18. (Currently Amended) A method as defined in claim [[21]] 1, wherein the second Web page element comprises a text element to be displayed with the displayable Web page.

[[23]] 19. (Currently Amended) A method as defined in claim [[22]] 18, wherein the second Web page element comprises a text element and at least one source element to be displayed with the displayable Web page.

[[24]] 20. (Currently Amended) A method as defined in claim [[23]] 19, wherein the source element comprises a sound file.

[[25]] 21. (Currently Amended) A method as defined in claim [[23]] 19, wherein the source element comprises an image file.

[[26]] 22. (Currently Amended) A method as defined in claim [[23]] 19, wherein the source element comprises a video file.

[[27]] 23. (Currently Amended) A method as defined in claim [[23]] 19, wherein the source element comprises a streaming multimedia file.

[[28]] 24. (Currently Amended) A method as defined in claim [[21]] 1, wherein the second Web page element comprises a source element to be processed by the browser.

[[29]] 25. (Currently Amended) A method as defined in claim [[28]] 24, wherein the source element comprises an image file.

[[30]] 26. (Currently Amended) A method as defined in claim [[28]] 24, wherein the source element comprises an applet.

[[31]] 27. (Currently Amended) A method as defined in claim [[21]] 1, wherein the second Web page element replaces the first Web page element on the ~~displayed~~ displayable Web page.

28. (Renumbered as 32) (Canceled)

29. (Renumbered from 33) (Canceled)

30. (Renumbered from 34) (Canceled)

31. (Renumbered from 35) (Canceled)

32. (Renumbered from 36) (Canceled)

33. (Renumbered from 37) (Canceled)

34. (Renumbered from 38) (Canceled)

35. (Renumbered from 39) (Canceled)

36. (Renumbered from 40) (Canceled)

37. (Renumbered from 41) (Canceled)

38. (Renumbered from 42) (Canceled)

39. (Renumbered from 43) (Canceled)

40. (Renumbered from 61) (Canceled)

41. (Renumbered from 62) (Canceled)

[[63]] 42. (Currently Amended) A method as defined in claim [[61]] 56, wherein the text element is received by the client device from the server.

[[64]] 43. (Currently Amended) A method as defined in claim [[61]] 56, wherein the text element is received by the client device from a computer other than the server.

[[65]] 44. (Currently Amended) A method as defined in claim [[61]] 54, wherein the step of selectively updating the one or more Web page elements in said first web page in the first

browser window further comprising updating the displayed Web page without refreshing the entire page.

45. (Renumbered from 66) (Canceled)

46. (Renumbered from 67) (Canceled)

[[101]] 47. (Currently Amended) A method as defined in claim [[1]] 54, wherein said client device is a personal computer.

[[102]] 48. (Currently Amended) A method as defined in claim [[1]] 54, wherein said client device is a handheld device.

[[103]] 49. (Currently Amended) A method as defined in claims [[101]] 47 and [[102]] 48, wherein said second Web page element is not a multimedia or image file.

[[104]] 50. (Currently Amended) A method as defined in claim [[103]] 49, wherein no browser plug-ins are utilized.

[[105]] 51. (Currently Amended) A method as defined in claim [[104]] 50, wherein no Java Applets are utilized.

[[106]] 52. (Currently Amended) A method as defined in claim [[105]] 51, wherein transmitting a request for the second element of the Web page occurs after the HTTP connection has terminated.

[[107]] 53. (Currently Amended) A method as defined in claim [[106]] 52, wherein the server utilizes non-Microsoft Web server software.

54. (New) A method of assembling, displaying and updating a Web page at a client device in a Web client-server network, the method comprising the steps of:

providing a browser application executing on the client device and operative to display at least one first browser window on the client device;

responsive to a first web-page request to a Web server originating from the first browser window on the client device, downloading a first Web page instructions to the client device from the Web server;

processing said first Web page instructions using said browser application to cause the browser to request one or more Web page elements associated with a first Web page from the Web server;

assembling the one or more Web page elements to generate and visibly display the first Web page in the first browser window as directed by the first Web page instructions;

responsive to at least one specific-instruction encountered upon processing said first Web page instructions, causing the browser to request a phantom web-page from the Web server for



receipt within the first browser window on the client device, said specific-instruction operative to cause the phantom web-page to be non-displayable in said first browser window;

responsive to the browser requesting said phantom web-page, retrieving a data associated with the non-displayable phantom Web page from the Web server, the data related at least in part to the one or more Web page elements of the first Web page; and

selectively updating the one or more Web page elements in said first visible web page in the first browser window using said data associated with the non-displayable phantom Web page so as to preclude reassembly of the first visible web page.

55. (New) The method of claim 54, wherein said first Web page instructions are, at least in part, browser display instructions specifying the format of the first Web page and a location of at least one text element to be displayed on the first Web page.

56. (New) A method as defined in claim 54, wherein the one or more Web page elements associated with the first Web page include at least one text element.

57. (New) A method as defined in claim 56, wherein the steps of retrieving and selectively updating the text element are accomplished without a client device agent other than a Web browser.

58. (New) A method as defined in claim 56, wherein the step of retrieving the data associated with the non-displayable phantom Web page from the Web server includes receiving an updated text element of the displayed Web page.

59. (New) A method as defined in claim 54, further comprising receiving an updated source element of the displayed Web page.
60. (New) A method as defined in claim 54, wherein said first Web page instructions comprise HTML code.
61. (New) A method as defined in claim 54, wherein the at least one specific-instruction comprises a script code contained in a JavaScript file.
62. (New) A method as defined in claim 60, wherein the HTML code includes, at least in part, a reference to a JavaScript file at the Web server.
63. (New) The method of claim 62, wherein the reference to the JavaScript file is parsed by the browser application to cause the browser to generate a data-request from a JavaScript-file-referenced web server.
64. (New) The method of claim 63, wherein responsive to the data-request, the JavaScript-file-referenced web server generates a JavaScript code and delivers it to the browser.
65. (New) The method of claim 64, wherein the JavaScript code is placed at an appropriate location in the HTML code for the Web page.

66. (New) The method of claim 65, wherein, the JavaScript code is interpreted by the browser causing the browser to request the phantom web-page from the Web server.

67. (New) The method of claim 66, wherein responsive to the browser requesting said phantom web-page from the Web server, the Web server generates and sends update data to the browser.

68. (New) The method of claim 67, wherein upon receipt of said update data, the browser processes the update data according to the JavaScript code to cause the selective updating of the one or more Web page elements in said first visible web page.